

VOTAVA, Z.

Side reactions during the administration of monoaminooxidase inhibitors and their connection with the eating of cheese.  
Cas. lek. cesk. 104 no.15:74-75 16 Ap'65.

1. Farmakologicky ustav lekarske fakulty hygienicke Karlovy University v Praze (prednosta: prof. dr. Z. Votava).

VOTAVA, Z.; BENESOVA, O.; BOHDANECKY, Z.; METYS, J.; METYSOVA, J.

New concept of the anticholinergic mechanism of the action of antidepressant thymoleptic drugs. Postepy hig. med. dosw. 18 no.6:925-944 N-D '64

1. Department of Pharmacology, Medical Faculty of Hygiene, Charles University and Research Institute of Pharmacy and Biochemistry, Prague.

BENESOVA, O.; BOHDANECKY, Z.; VOTAVA, Z.

EEG arousal reaction induced by the inhibitors of cholinesterase and its modification by atropine and benactyzine in rabbits.  
Activ. nerv. sup. (Praha) 7 no.2:148-151 '65

1. Institute of Pharmacology, Medical Faculty of Hygiene,  
Charles University, Prague. 2. O. Benesova's address: Praha 10,  
Srobarova 50.

SOUSKOVA, M.; VOTAVA, Z.

Use of the orientation reaction of rats in pharmacology. Czech.  
fysiol. 14 no.2:152-157 Mr '65.

1. Vyzkumny ustav experimentalni terapie; Vyzkumny ústav pro  
farmacii a biochemii, Praha.

VOTAVA, Z.

Increasing sexual promiscuity and frequency of venereal diseases in English youth. Findings of the Commission of the British Medical Association. Cas. lek. cesk. 104 no.10:57 12 Mr'65.

Experiences from an educational trip to Paris and to the United States. Ibid.:62-65

1. Farmakologicky ustav lekarske fakulty hygienicke Karlovy University v Praze (prednosta: inz. dr. O. Nemecek).

VOTAVA, Z.

Treatment of migraine. Cas. lek. cesk. 104 no.2:22 15 Ja '65

1. Farmacologicky ustav lekarske fakulty hygienicke Karlovy  
University v Praze.

VOTAVOVA, L.

"The theorem of extremes of entropy. In German."

p.293 (Vol. 42, 1956, Prague, Czechoslovakia)

Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 8, August 1958

UOTAVOVA, L.

16(2) PHASE I BOOK EXPLOITATION CZECH/2556

Conference on Information Theory, Statistical Decision Functions, and Random Processes. 1st. Liblice, 1956.

Transactions. Prague, Czechoslovak Academy of Sciences, 1957. 354 p. 1,000 copies printed.

Sponsoring Agency: Československá Akademie Věd. Sekce Technická.

Reviewers: Václav Dvořák and Miroslav Jirina. Scientific Ed.: Vladimír Kozáček. Corresponding Author: Československá Akademie Věd. Hradec Králové. Ed.: Ladislav Bůžek, Techn. Ed.: František Komlíček.

PURPOSE: This book is intended for specialists interested in information theory and related subjects.

COVERAGE The book contains papers read at the First Prague Conference on Information Theory, Statistical Decision Functions, and Random Processes, held on November 28 - 30, 1956. The Conference was sponsored by the Czechoslovak Academy of Sciences and organized by the Institute of Radio Engineering and Electronics. The papers discuss various mathematical approaches to the problems of communications: information theory, probabilistic properties of communications, stochastic properties of communications, entropy, transformations of stochastic properties, statistical decision functions, randomized functional analysis, etc. Participants from China, Germany, Poland, Sweden, the United States, and the Soviet Union were present at the Conference. Of the 22 articles in the book, 14 are in English, 4 in French, 2 in German, and 1 in Russian.

Print, M. and J. Spáček. (Czechoslovakia). Continuous Random Decision Processes Controlled by Experience 43

Marš, O. (Czechoslovakia). Generalized Random Variables 61

Marš, O. Random Fixed Point Theorems 105

Marš, O. Inverse and Adjoint Transforms of Linear Bounded Random Transforms 127

Marš, O. Almost Sure Convergence Theorem for Random Schwartz Distributions 135

Meduna, J. (Czechoslovakia). Note on Generalized Random Variables 139

Pérez, A. (Czechoslovakia). Generalized Concepts of Uncertainty, of Entropy and of Information from the Point of View of the Theory of Martingales 183

Pérez, A. On Information Theory in the Case of an Abstract Alphabet 209

Pérez, A. On the Convergence of Uncertainty, Entropy, and Information Samples Toward Their True Values 245

Spáček, A. (Czechoslovakia). An Elementary Experience Problem 253

Spáček, A. Extension of Probabilistic Transformations 259

Ulrich, M. (Czechoslovakia). Some Theorems on Random Schwartz Distributions 273

Votava, L. (Czechoslovakia). Theorem on the Extremes of Entropy 293

Winkelbauer, K. (Czechoslovakia). Experience in Games of Strategy and in Statistical Decision 297

AVAILABLE: Library of Congress

Card 5/5

12-1-59



VOTAVOVA, M.

5th National Conference of Czechoslovak Hydrobiologists and Ichthyologists.  
p. 520.

VODNÍ HOSPODÁŘSTVÍ. (Ministerstvo energetiky a vodního hospodářství a  
Vědecká technická společnost pro vodní hospodářství) Praha, Czechoslovakia,  
No. 11, Nov. 1959

Monthly List of East European Accession (EEAI), LC Vol. 9, no.2,  
Feb. 1960

Uncl.

CERVENKA, Rudolf; STEPANEK, Miroslav; VOTAVOVA, Milena; CERVENKOVA, Eva;  
KORBOVA, Milada; KANDLER, Maximilian

Limnological study of the reservoir Sedlice near Zeliv; part 7: Methods  
of selecting new algicide compounds. Sbor pal vod VSChT no.3, part 1:  
247-290 '59.

1. Terenni laborator Ustavu hygieny v Sedlici; and Katedra technologie  
vody Vysoke školy chemicko-technologické, Praha.

CERVENKA, Rudolf; STEPANEK, Miroslav; VOTAVOVA, Milena; CERVENKOVA, Eva;  
KORBOVA, Milada; KANDLER, Maximilian

Limnologic study of the reservoir Sedlice near Zeliv. VII. Contribution  
to technique of selecting new algicides. Sbor chem tech 1959: 247-  
290. (BRAT 9:12)

1. Terenni laborator Ustavu higieny v Sedlici a Katedra technologie  
vody Vysoke skoly chemickotechnologicke v Praze.

(Czechoslovakia--Limnology)

(Czechoslovakia--Reservoirs)

(Czechoslovakia--Algicides)

1/ Polarographic analysis in prospecting in the nickel ore deposit near Křemže in Southern Bohemia (Czechoslovakia). Zdeněk Votavová (Vysoká škola chem. technol., Prague). Sborník vysoké školy chem. technol. v Praze 1957, 203-6. For prospecting purposes the most suitable method for the rapid detn. of Ni was polarography. Dissolve 5 g. of the sample in aqua regia, heat on the steam-bath, evap. to dryness, digest the residue with 5 ml. HCl, evap. to dryness, digest the residue with 3 ml. HCl and 100 ml. H<sub>2</sub>O, transfer the soln. and the residue into a 250-ml. volumetric flask, fill to the mark, pipet a 5-ml. aliquot to a soln. of 5 ml. M NH<sub>4</sub>OH and M NH<sub>4</sub>Cl, add 0.3 ml. satd. soln. of Na<sub>2</sub>SO<sub>4</sub>, 3 drops of 0.5% soln. of gelatin, filter, and polarograph in the Novák vessel. The analysis lasts 50-60 min. M. Hudlický

SB  
1/1

CR

VOTAVOVA, Zdenka; KRAL, Richard

Distribution of germanium in Kladno Basin. Sbor chem tech no.3,  
part 2:337-352 '59.

1. Katedra mineralogie, Vysoka skola chemicko-technologicka, Praha  
a Laborator anorganicke chemie Ceskoslovenske akademie ved, Praha.

Cardiazole. H.-K. Vitchal. Byull. Nauch. Issledovatel Khim.-Farm. Inst. 1930, 44-5.—A review (28 references) is given on cardiazole which is a pentamethylene-tetrazole, manufactured by Knoll.

1ST AND 2ND CROSS																										100 AND 4TH CROSS																									
PROCEDURES AND PROPERTIES INDEX																																																			
<p><i>Ch</i> <span style="float: right;">17</span></p> <p>Decholin. V. R. Yarovaya. <i>Dokl. Nauchno-Issledov. Khim.-Farm. Inst. 1931.</i>  10-A.—The biological properties of decholin are reviewed and 20 literature references  are cited. A. A. ROBERTSON</p>																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
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Substitutes for bismuth in therapy. B. VOICHAL - Khim. Farm. Prom. S-S, 262-4(1932).—A discussion and a suggestion for substituting fine Al powder,  $\text{Al}_2\text{SiO}_5$ ,  $2\text{H}_2\text{O}$ , kaolin, and Al subacetate for different Bi preps.

LEO NABAREVICH

17

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



1ST AND 2ND CODES										PROCESSES AND PROPERTIES INDEX										3RD AND 4TH CODES									
<p>Handwritten: <i>W</i> (top left) and <i>112</i> (top right)</p> <p>Chemical therapy of tuberculosis. H. VORCHAL. <i>Khim. Farm. Prom.</i> 1932.  424-8.—A general review with recommendation to improve the uses of Au, Cu, Mn and  Ca in the therapy of tuberculosis. L. NASARBYICH</p>																													
<p>ASB-31A METALLURGICAL LITERATURE CLASSIFICATION</p>																													

1ST AND 2ND CODES										3RD AND 4TH CODES									
PROPERTIES AND FEATURES INDEX																			
<p>Preparations for the treatment of gonorrhea. B. V. Vochal. Khim. Farm. Prom. 1934, No. 8, 27-31. <i>with</i> <i>classification of treatments showing the advantage of using ammoniacal Ag preps. as <math>\text{CH}_3\text{OAg}</math> (<math>\text{NH}_4</math>), <math>\text{AgCO}_3(\text{NH}_4)</math>, <math>\text{NH}_4\text{AgI}</math>, salicylic and oxalic acid salts.</i> Leo Nasarevkh</p>																			
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<p>SYMBOLS FOR ONLY ONE</p>										<p>SYMBOLS FOR ONLY ONE</p>									

VOTCHAL, B. E.

27920. VOTCHAL, B. E. -- Izmeneniya v mekhanizme legochnoy ventilyatsii pri emfizeme legkikh i pnevmoskleroze. Trudy XIII vsesoyuz. S'yezda terapevtov, L., 1949, S. 246-52

SO: Letopis' Zhurnal'nykh Statey. Vol. 37, 1949.

VOTCHAL, B. Ya.

Lungs - Diseases

Prevention of development of chronic non-specific pulmonary processes., Terap. arkh., 23, No. 6, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1953/2Unclassified.

SHASS, M.Yu.; YABLOKOV, D.D., redaktor; VOTCHAL, B.Ye., redaktor.

[Phytotherapy] Fitoterapiia. Pod red. D.D. Iablokova i B.E. Vot-  
chala. Moskva, Izd-vo Akademii med. nauk SSSR, 1952. 216 p.  
(Botany, Medical) (Medicine--Formulae, (MIRA 7:5)  
receipts, prescriptions)

VOTCHAL, B.Ye., professor.

Letter to the editor of "Aptekhnos delo." Apt.delo 3 no.1:61-62  
Ja-F '54. (MLRA 7:1)  
(Shass, Ezekil' Iulovich) (Mshvidobadze, A.E.)  
(Botany, Medical)

VOTCHAL, B.E.

Antibistamine preparations R. E. Votchal and V. N.

VOTCHAL, B.Ye., professor

"Medicines; manual for physicians." M.D.Mashkovskii. Reviewed by  
B.M.Votchal. Klin.med. 33 no.12:86-88 D '55. (MLHA 9:5)  
(MASHKOVSKII, H.D.) (PHARMACOLOGY)



VOTCHAL, B.Ye.

VOTCHAL, B.Ye.; MESHALKIN, Ye.N.

Basic requirements from new apparatus for functional examination of the organs of blood circulation and respiration. Med.prom. 11 no.6: 15-19 Je '57. (MIRA 10:8)

1. Tsentral'nyy institut usovershenstvovaniya vrachey  
(PHYSIOLOGICAL APPARATUS) (BLOOD--CIRCULATION)  
(RESPIRATION)

VOTCHAL, B. Ye.

U.S.S.R. / Human and Animal Physiology. Blood Circu- T  
lation.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22134.

Author : Votchal B. Ye., Meshalkin, E. N.

Inst : Not given.

Title : Basic Principles of New Apparatus for Func-  
tional Investigation of the Organs of Circu-  
lation and Respiration.

Orig Pub: Med. prom-st SSSR, 1957, No 6, 45-47.

Abstract: No abstract.

Card 1/1

VOTCHAL, B.Ye., professor (Moskva)

Problems of chemotherapy in the clinical treatment of internal  
diseases. Klin.med. 35 no.5:8-12 My '57. (MLRA 10:8)

(CHEMOTHERAPY  
indic. and correct dosage)

TAREYEV, Ye.M., prof. (Moskva), otv.red.; MOLCHANOV, N.S., prof., red.; VOTCHAL, B.Ye., prof., red.; BONDAR', Z.A., doktor med. nauk, red.; POPOV, V.G., dotsent, red.; NEVRAYEV, G.A., dotsent, red.; KARPOVA, G.D., red.; GOTOVTSEY, P.I., red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Proceedings of the 14th All-Union Congress of Therapists in Moscow, 1956] Trudy XIV Vsesoiuznogo s"ezda terapevtov. Pod obshchey red. E.M.Tareeva. Moskva, Gos.izd-vo med.lit-ry, 1958. 735 p. (MIRA 13:5)

1. Vsesoyuznyy s"yezd terapevtov. 14th, Moscow, 1956. 2. Deystvitel'nyy chlen AMN SSSR (for Tareyev). 3. Chlen-korrespondent AMN SSSR (for Molchanov).

(THERAPEUTICS--CONGRESSES)

AUTHOR: Votchak, B., Professor

4-2-11/18

TITLE: Curative Aerosols (Tselebnyye aerosoli)

PERIODICAL: Znaniye-Sila, 1958, # 2, p 27 (USSR)

ABSTRACT:

Chronic lung affections have been notoriously hard to cure. Anti-biotics helped greatly, but now aerosol inhalation is considered the best (spraying under compressed air in particles sized from 1 to 3 microns). Injection or common inhalations are ineffective, since they cannot reach those affected parts that are encapsulated. The process is combined with oxygen and added to the antibiotics for infants with inflammation of the lungs. The process was developed by the engineers Perel'mutor and Abramov, Kapkoviy and Pelevina, and far excels anything done abroad.

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Card 1/1

VOTCHAL, B.Ye., KSANDROVA, S.Ye.

Pneumotaxometer. Med. prom. 12 no.6:52-55 Je '58 (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya.  
(RESPIROMETER)

VOTCHAL, B.Ye., prof., TUPOLEVA, Yu.A., SALIMOV, S.G. (Moskva)

Conditioned reflex motor method for the objective registration of the state of sleep. Khim.med. 36 no.9:25-29 S'58 (MIRA 11:10)

1. Iz 2-y kafedry terapii (zav. - prof. B.Ye. Votchal) Tsentralnogo instituta usovershenstvovaniya vrachey (dir. V.P. Lebedev) na baze Klinicheskoy ordena Lenina Bol'nitsy imeni S.P. Botkina (glavnyy-prof. A.I. Shabanov).

(SLEEP,

conditioned reflex motor method for depth determ. (Rus))

(REFLEX, CONDITIONED

conditioned reflex motor method for determ. of depth of sleep (Rus))

VOTCHAL, B.Ye., prof.

On homeopathy. Zdorov'e 5 no.7:13-14 J1 '59. (MIRA 12:11)  
(HOMEOPATHY)



VOTCHAL, B. Ye., prof. (Moskva); SHNYLSEB, M.S. (Stalino)

Evaluation of modern methods of studying bronchial patency in clinical practice. Klin. med. 37 no.3:9-17 Mr '59. (MIRA 12:7)

(BRONCHI

patency, method of determ. (Rus))

VOTCHAL, B.Ye., prof.; MAGAZANIK, N.A. (Moskva)

Current status of the problem of pulmonary embolism and infarcts.  
Klin.med. 37 no.12:37-44 D '59. (MIRA 13:4)  
(PULMONARY EMBOLISM)

VINOKURSKIY, S.A.; VOTCHAL, B.Ye.; AMAYEVA, L.A.

Arterial oscillometer. Med.prom. 15 no.9:48-50 S '61.

(MIRA 14:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskikh  
instrumentov i oborudovaniya i Tsentral'nyy institut usovershenstvo-  
vaniya vrachey.

(OSCILLOMETER)

(BLOOD PRESSURE)

VOTCHAL, B. E.[Votchall], dr., prof.; CSAPIDZE, G. E.[Chapidze] aspirans

Peripheral vessels in essential hypertension. Orv. hetil. 102 no.16:  
726-728 16 Ap '61.

1. Moszkvai Kozponti Orvoskepzo Intezet, II Belklinika.

(HYPERTENSION)

VOTCHAL, B.Ye.; AVERINA, R.I. (Moskva)

Technic for anticoagulatn therapy. Klin.med. no.1:15-19 '62.

(MIRA 15:1)

(ANTICOAGULATNS (MEDICINE)--THERAPEUTIC USE)

VOTCHAL, B.Ye., prof.; MAGAZANIK, N.A. (Moskva)

Cor pulmonale and bronchial patency; their pathogenic relations  
and therapeutic deductions. Klin.med. no.4:23-27 '62.

(COR PULMONALE) (BRONCHI--DISEASES)

(MIRA 15:5)

VOTCHAL, B.Ye.; MODESTOV, V.K.; AKOPYAN, M.A.

Determination of the volume of residual air in the lungs with  
radioactive xenon. Med.rad. no.5:3-6 '62. (MIRA 15:8)

1. Iz 2-y kafedry terapii i kafedry meditsinskoy radiologii TSen-  
tral'nogo instituta usovershenstvovaniya vrachey.  
(XENON—ISOTOPES) (RESPIRATION)

VOTCHAL, B.Ye.; AKOPYAN, M.A., (Moskva)

Residual air in the lungs and uniformity of ventilation under normal conditions in nonspecific pulmonary diseases, and in heart defects. Report No.1. Klin. med. 40 no.12:10-17 D '62. (MIRA 17:2)

1. Iz 2-y kafedry terapii Tsentral'nogo instituta usovershenstvovaniya vrachev.



VOTCHAL, B. Ye., prof. (Moskva)

Problems in the method of digitalis therapy. Klin. med. no.8:6-14  
(MIRA 1964)

(DIGITALIS)

ACCESSION NR: AP4041351

S/0248/64/000/006/0075/0081

AUTHOR: Votchal, B. Ye.; Belousov, A. S.; Zvyagina, L. N.; Belayeva, N. M.

TITLE: Radiotelemetric study of temperatures in the human stomach and intestine in normal and pathological conditions

SOURCE: AMN SSSR. Vestnik, no. 6, 1964, 75-81

TOPIC TAGS: radiotelemetry, temperature radiotelemetry, stomach, radiocapsule, gastrointestinal tract

ABSTRACT: Data derived from investigations of the human digestive tract with the aid of a temperature-measuring radiocapsule are presented. Temperature readings were obtained in 30 healthy persons and 57 patients suffering from various disorders of the digestive tract, including inflammatory and noninflammatory conditions. The radiocapsule method permitted the authors to detect two types of digestive tract temperature curves in healthy subjects — one relatively high, on the order of 36.8 to 38.6C and the other relatively low, on the order of 36.8 to 37.8C; that is, hyperthermal and hypothermal cases.

Card 1/3

ACCESSION NR: AP4041351

Repeated attempts to associate changes in temperature in the digestive tract with the presence of acute cholecystitis or cancerous ulcers were unsuccessful. Since the temperature in different parts of the digestive tracts of healthy persons varied as much as 1.5C, the presence of acute or chronic inflammation processes was indicated by the shape of the curve rather than by absolute temperature values. The circulation of the blood in the stomachs of healthy and sick people was studied by having the subjects drink hot or cold water, then noting the change in internal temperature and its restoration to previous levels. In addition, hot or cold water was injected directly into the stomach in order to determine circulation in the stomach wall. The role of the temperature factor in the evacuant function of the stomachs of healthy and diseased subjects was found to be very important, along with the pH value of the contents of the stomach. Thus, the use of radiocapsules is a promising method for investigating the function of the digestive tract. Orig. art. has: 5 figures.

ASSOCIATION: Tsentral'nyy institut usovershenstvovaniya vrachey, Moscow (Central Institute for Upgrading Physicians)

Card 2/3

ACCESSION NR: AP4041351

SUBMITTED: 30Mar64

ENCL: 00

SUB CODE: LS,EC

NO REF SOV: 001

OTHER: 000

Card 3/3

MYASNIKOV, A.L., prof., otv. red.; MOLCHANOV, N.S., red.; LUKOMSKIY,  
P.Ye., prof., red.; VOTCHAL, B.Ye., prof., red.; DEMBO,  
A.G., prof., red.; MUKHARLYAMOV, H.M., kand. med. nauk,  
red.

[Transactions of the 15th All-Union Congress of Therapeutists]  
Trudy Vsesoiuznogo s"ezda terapevtov. Pod obshchei red. A.L.  
Miasnikova. Moskva, Meditsina, 1964. 529 p. (MIRA 17:6)

1. Vsesoyuznyy s"yezd terapevtov. 15th, 1962. 2. Deystvi-  
tel'nyy chlen AMN SSSR (for Myasnikov, Molchanov, Lukomskiy).
3. Chlen-korrespondent AMN SSSR (for Votchal).

L 22683-66

ACC NR: AP6001328

SOURCE CODE: UR/0248/65/000/C09/0097/0105

16  
B

AUTHOR: Votchal, B. Ye.; Vysokiy, F. F.

ORG: Central Institute for the Advanced Training of Physicians, Moscow (Tsentrallyy institut usovershenstvovaniya vrachey)

TITLE: Radiocardiocirculographic technique for the comprehensive study of central and peripheral hemodynamics

SOURCE: AMN SSSR. Vestnik, no. 9, 1967, 97-105

TOPIC TAGS: blood circulation, radioisotope, cardiology, cardiovascular system, radiology, krypton

ABSTRACT: Of the 20-odd methods available for the measurement of cardiac output and coronary blood flow none completely satisfies the clinician, either because of extreme complexity, inapplicability to humans or low precision. A method was devised for the simultaneous investigation of central and peripheral hemodynamics involving inhalation radiocardiography using krypton ( $Kr^{85}$ ). The patient breathes the radioactive gas which mixes with the blood in various parts of the body (e. g.

UDC: 616.1-008.1-073.916 + 612.15 + 612.171.1

Card 1/2

L 22683-66

ACC NR: AP6001328

heart, liver, lungs). Appropriate radiation counters are applied at the pertinent area. By noting the time and duration of radioactivity the rate and amount of blood flowing through the area is determined. Examination of healthy and sick people with various pathological manifestations revealed that the relationship between the duration of blood flow in the arterial and venous portion of the systemic and hepatic circulation changes quite precisely and differentially during cardiovascular and pulmonary-cardiac insufficiencies as well as in hepatic cirrhosis. In general, all parameters were found to be higher, thus indicating an increase in the duration of blood flow (a slowing down) as compared with healthy controls. This method also made it possible to elucidate the mode of action of some cardiovascular medications. Results showed that these drugs increase the rate of blood flow through one or several parts of the circulatory system often at the expense of decreasing it in other parts. This is probably achieved by increasing the tone of the venules and the microtonus of the hepatic aortal system. Orig. art. has: 4 figures, 4 tables.

SUB CODE: 06/      SUBM DATE: 05Jun65/      ORIG REF: 006/      OTH REF: 006

Card 2/2 - BLC

VOICHAL, B.I., MODESTOV, V.K., VIGOSLY, P.F., KAPENKO, P.P.

Clinical and radiologic parallels in the diagnosis of cardiac and pulmonary pathology by the use of radioactive sodium ( $\text{Na}^{24}$ ).  
Trudy ISIU 71:17-32, 1964.

Study of central hemodynamics by the method of selective quantitative radiocardiography with the aid of radioactive krypton ( $\text{Kr}^{85}$ ). 1964, 112-80 (MIRA 18:6)

L. Kafedra radiatsionnoy radiologii (zav. prof. V.K. Modestov) i  
II kafedra terapii (zav. prof. B.I. Voynov) Central'nogo  
instituta usovershenstvovaniya vrachey.



VOTCHAL, Boris Yevgen'yevich; RAYEVSKIY, K.S., red.

[Studies in clinical pharmacology] Ocherki klinicheskoi  
farmakologii. Moskva, Meditsina, 1965. 489 p.  
(MIRA 18:12)

VOTCHAL, B.Ye.; VISOKIY, F.F.

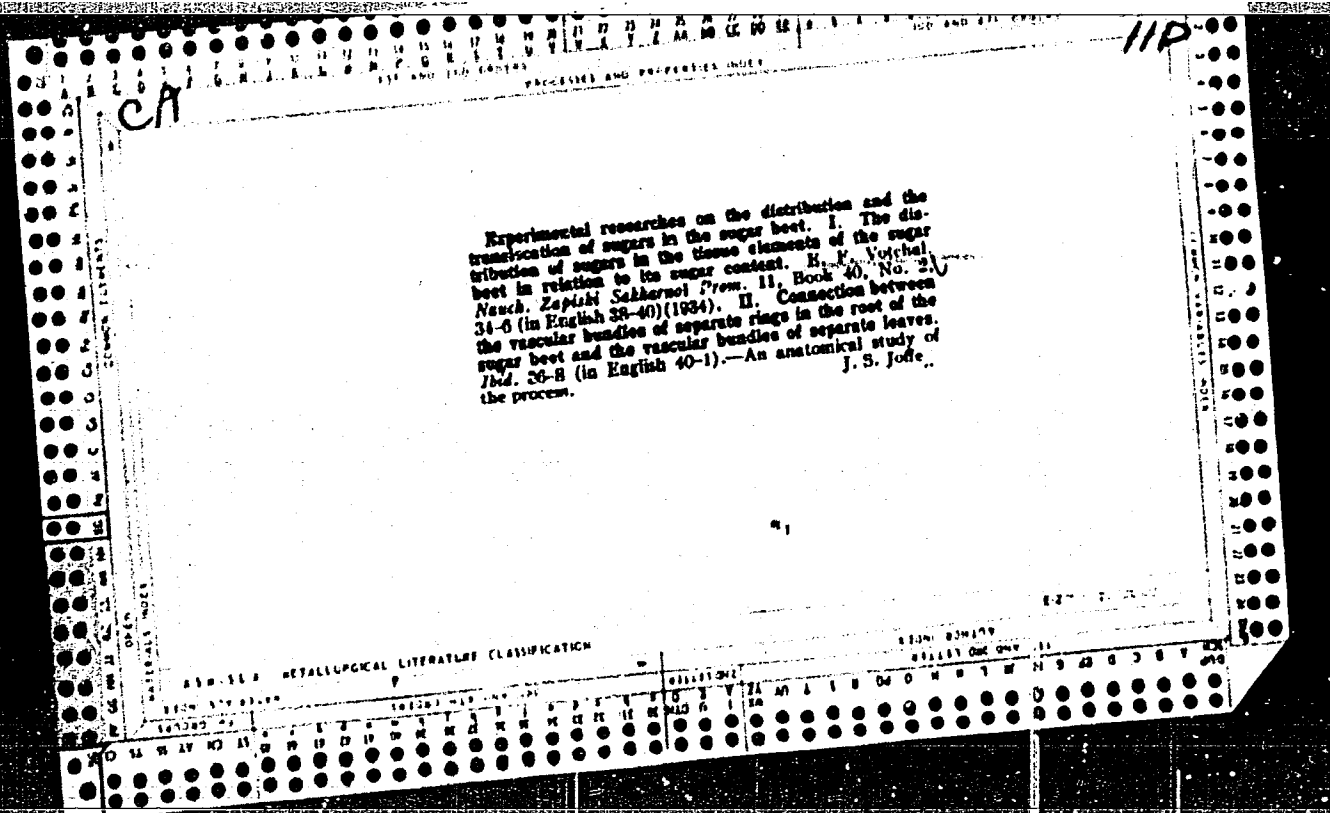
Radiocardiocirculographic method of a comprehensive study of  
central and peripheral hemodynamics. Vest. AMN SSSR 20  
no.9:97-105 '65. (MIRA 18:11)

1. TSentral'nyy institut usovershenstvovaniya vrachey, Moskva.

VOTCSAL, B.E., dr.; VISZOKIJ, F.F., [Vysokiy, F.F.], dr.

Clinico-pharmacological studies with Corontin, a new coronary vasodilator agent. Orv. hetil. 106 no.21:975-978 23 My '65.

1. Kozponti Orvostovábbképző Intézet (rektor: Kovrigina, M.D.,  
as OFSzSzK érdemes orvosa) II. Belgyógyászati Tanszék (tanszék-  
vezető: Votcsal B.E. a Szovjetunió Orvostudományi Akadémiájának  
levelezo tagja), Moszkva.



Distribution and translocation of sugars in  
 sugar-beet. I. Sugars in the tissue elements  
 of sugar-beet in relation to its sugar content.  
 II. Connection between vascular bundles of  
 separate rings in the root and vascular bundles  
 of separate leaves. E. F. VOXNAL (Nauch. Zap.  
 Sakh. Prom., 1934, 11, Book 40, No. 2. 34-36,  
 36-38).  
 (Ch. Ans. (p)

CA VOTICKY, Z.

A new method of sulfur determination. — Dobrodav  
Fristavka and Zdeno Voticky. *Chem. Zvesti* 5, 1-3 (1961). —  
A modification of the classical Carius method is reported.  
The oxidation is carried out by KI, HNO<sub>3</sub>, HCl which takes  
place in 20-40 min. To 0.05-0.1 g. sample add 0.25-0.3 g.  
KI, moisten with H<sub>2</sub>O, add 10 ml. HNO<sub>3</sub>, fume, and add 10  
ml. HCl. Heat until the soln. decolorizes, cool, and dil. to  
100-150 ml. with H<sub>2</sub>O. If on diln. a ppt. is formed, add an  
addnl. amt. of the oxidation mixt. S is then detd. either  
gravimetrically as BaSO<sub>4</sub> or titrimetrically after pptn. with  
benzidine-HCl. The method is satisfactory for both org.  
and inorg. compds. The deviation from the classical  
Carius method was found to be in the range of 0.04 to 0.30%.  
Jan Micka

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and H.  
Their Applications - Drugs, Vitamins, Antibiotics.

Abs Jour : Ref Zhur - Khimiya, No 11, 1958, 37187  
Author : Dubravkova, L., Jezo, I., Stefcovic, P., Voticky, Z.  
Inst : -  
Title : Synthesis of Some Quaternary Gramine Salts.  
Orig Pub : Chem Zvesti, 1957, 11, No 1, 57-59  
Abstract : A survey of preparation methods of gramine methiodide  
(I) is given. Also a new method of preparation of (I)  
and of gramine methasulphate with good yields of pure  
compounds is presented.

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VOTICKY Z.

G.

CZECHOSLOVAKIA/Organic Chemistry - Naturally Occurring  
Substances and Their Synthetic Analogs.

ABs Jour : Ref Zhur - Khiniya, No 9, 1958, 28934  
Author : Dubravkova, L., Jezo, I., Seifovic, P., Voticky, Z.  
Inst : -  
Title : Some Esters of 1-N-Methylephedrine.  
Orig Pub : Chem Zvesti, 11, No 5, 281-284 (1957) (in Slovak with  
summaries in German and Russian)

Abstract : A number of esters of 1-N-methylephedrine (I) with ali-  
phatic aromatic acids are described. The esters were  
prepared from I by a previously described method  
(RZhKhin, 1957, 71547). I is synthesized by the follo-  
wing series of reactions: 3.3 gms of L-ephedrine, 583  
gms of formalin (40 gms  $\text{CH}_2\text{O}$  per 100 ml), and 390 gms  
of 85%  $\text{HCOOH}$  are refluxed for 5 hrs, and the product of  
the reaction is decomposed with 195 gms  $\text{NaOH}$  in 470 ml  
water; the yield of I is 286 gms, mp 85-86°.

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CZECHOSLOVAKIA/Organic Chemistry - Naturally Occurring  
Substances and Their Synthetic Analogs.

G.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 28934

bp 134-135°/12 mm,  $[\alpha]_D^{20}$  (-30°) (CH<sub>3</sub>CH).  
I is esterified with acids having the general formula  
RCOOH. The R, yield in %, bp in °C,  $[\alpha]_D^{20}$  (c 5;  
CH<sub>3</sub>CH), and mp in °C of the hydrochlorides (decomp)  
of the aliphatic esters are given below:  
CH<sub>3</sub>, 88, 133-134/12 mm, -46.2°, 199-200; C<sub>2</sub>H<sub>5</sub>, 81,  
140-141/13 mm, -47.3°, 162-163; 1sc-C<sub>3</sub>H<sub>7</sub>, 136-137/16  
mm, -45°, 154-155; n-C<sub>3</sub>H<sub>7</sub>, 74, 142-143/12 mm, -40.5°,  
162-163; n-C<sub>4</sub>H<sub>9</sub>, 77, 113-115/0.1 mm, -36.5°, 141-142;  
n-C<sub>5</sub>H<sub>11</sub>, 75, 126-128/0.1 mm, 034.8°, 124-125;  
(CH<sub>3</sub>)<sub>2</sub>CHCH CH, 83, 148-149/0.35 mm, + 15.3°, 190-191.

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CZECHOSLOVALIA/Organic Chemistry - Naturally Occurring  
Substances and Their Synthetic Analogs.

G.

Abs Jour : Ref Zhur - Khimiya, NO 9, 1958, 28934

The R, yield in %, mp in °C,  $[\alpha]^{20}_D$  (c 5; CH<sub>3</sub>OH),  
and mp in °C of the hydrochlorides of the aromatic es-  
ters are given below:  
C<sub>6</sub>H<sub>5</sub>, 66, 45-46, +63.8°, 181-182; o-CH<sub>3</sub>OC<sub>6</sub>H<sub>4</sub>, 74, 70-71,  
+59.5°, 204-205; 3,4-(CH<sub>3</sub>O)<sub>2</sub>C<sub>6</sub>H<sub>4</sub>, 80, 99-100, +94.0°,  
163-164°; 3,4,5-(CH<sub>3</sub>O)<sub>3</sub>C<sub>6</sub>H<sub>2</sub>, 78, 85-86, +79.0°, 170-179,

Card 3/3

CZECHOSLOVAKIA / Organic Chemistry. Natural Compounds G-3  
and Their Synthetic Analogs.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 77830.

Author : Dubravkova, L., Jezo, I., Sofcovic, P. and Voticky, Z.

Inst : Not given.

Title : Syntheses of Some Alkaloid Derivatives. XIII.

Orig Pub: Chem Zvesti, 12, No 3, 140-142 (1958) (in Slovak  
with summaries in German and in Russian).

Abstract: The catalytic hydrogenation of papaverine in  
 $\text{CH}_3\text{OH}$  over Raney Ni ( $150^\circ$ , 150 atm) gave  $\frac{1}{2}$  [sic]  
-laudanosine, yield 62%, mp 115-115.5 $^\circ$ , picrate  
mp 177-178.5 $^\circ$ . For Communication XII see  
RZhKhim, 1958, 61104. -- From a summary by the  
authors.

Card 1/1

CZECHOSLOVAKIA / Organic Chemistry. Natural Compounds G-3  
and Their Synthetic Analogs.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 77820.

Author : Dubravkova, L., Jezo, I., Sevcovic, P., and  
Voticky, Z.

Inst : Not given.

Title : Esters of N,N-Disubstituted Aminoethanol.

Orig Pub: Chem Zvesti, 12, No 4, 252-255 (1958) (in Slovak  
with summaries in German and Russian).

Abstract: In the course of the investigation of compounds  
containing the N-C-C-OH group, some of which have  
a hypotensive action, the authors have synthesized  
compounds having the general formula  $\text{RCOOCH}_2\text{CH}_2$   
 $\text{N}(\text{CH}_3)(\text{CH}_2)_5\text{N}(\text{CH}_3)_2$ , where R = 3,4,5-trimethoxy-  
phenyl (I), and 4-pyridyl (II). Compounds of

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CZECHOSLOVAKIA / Organic Chemistry. Natural Compounds G-3  
and Their Synthetic Analogs.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 77820.

Abstract: the type of I and II were prepared from 4-chloro-  
butanol (III). Preparation: 217 gms III are  
added to 500 gms of 48% HBr and 300 gms conc  $H_2SO_4$   
and the reaction mixture is heated for 4 hrs over  
a water bath; extraction with  $CHCl_3$  gives  $Cl(CH_2)_4$   
Br, yield 66%, bp  $50-52^\circ/10mm$ . 350 ml alcohol  
and 171.5 gms  $Cl(CH_2)_4$  Br are added to a hot solu-  
tion of 82 gms KCN in 100 ml water, the reaction  
mixture is refluxed for 1.5 hrs, diluted with  
450 ml water, and extracted with  $CHCl_3$ , giving  
 $Cl(CH_2)_4$  CN, yield 58%, bp  $96-98^\circ/11mm$ ,  $n_D^{20}$  1.4474.  
A mixture of 23.5 gms  $Cl(CH_2)_4$  CN and 33 gms  
 $CH_3NHCH_2CH_2OH$  is heated for 20 hrs over a boil-

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CZECHOSLOVAKIA / Organic Chemistry. Natural Compounds G-3  
and Their Synthetic Analogs.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 77820.

Abstract: ing water bath and then for 8 hrs at 120°; the mixture is diluted with 200 ml water, made weakly alkaline with 50% KOH, and the product is salted out with solid K<sub>2</sub>CO<sub>3</sub> and extracted with CHCl<sub>3</sub>; HOCH<sub>2</sub>CH<sub>2</sub>N(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>4</sub>CN is obtained, yield 51%, bp 159-161°/11mm. 60 gms of the latter substance are dissolved in 440 ml abs alc saturated at 0° with NH<sub>3</sub> gas and the solution is hydrogenated over Raney Ni at 150° and at an initial pressure of 130 atm, giving HOCH<sub>2</sub>CH<sub>2</sub>N(CH<sub>3</sub>)(CH<sub>2</sub>)<sub>5</sub>NH<sub>2</sub> (IV), yield 86%, bp 139-140°/11mm, n<sub>D</sub><sup>20</sup> 1.4735. 35 gms IV are added with cooling to 165.8 gms of 90% HCOH followed by the addition of 61 gms of 35% HCHO. The mixture is heated for 10 hrs [temp?], 55 ml

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CZECHOSLOVAKIA / Organic Chemistry. Natural Compounds G-3  
and Their Synthetic Analogs.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 77820.

Abstract: of concn HCl are added, and the solution is evaporated to dryness under vacuum; the residue is dissolved in a small amount of water, the solution is made alkaline with 50% KOH, salted out with solid  $K_2CO_3$ , and extracted with  $CHCl_3$ , giving  $HOCH_2CH_2N(CH_3)(CH_2)_5N(CH_3)_2$  (V), yield 74%, bp 131-132°/12mm,  $n_D^{25}$  1.4589, dipicrate mp 110-111° (from alc), diiodomethylate mp 245-257° (from alc). The esterification of V gives I, bp 210-212°/1mm, dihydrochloride mp 175-179° (decomp; from ether-alc), dipicrate mp 156-157° (from alc, diiodomethylate mp 245-247° (from alc); and II, bp 153-156°/11mm, trihydrochloride mp

Card 4/5

CZECHOSLOVAKIA / Organic Chemistry. Natural Compounds G-3  
and Their Synthetic Analogs.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 77820.

Abstract: 170-171° (from ether-alc), triplicate mp 234°  
(decomp; from alc), triiodomethylate mp 187-188°  
(decomp; from alc). The hydrochlorides of I and  
II have only weak hypotensive action. -- V. Shpanov.

Card 5/5



VOTICKY, Z.; TOMKO, J.

Alkaloids from *Buxus sempervirens* L. Pt.2. Coll Cz Chem 30  
no.1:348-350 Ja '65.

1. Institute of Chemistry of the Slovak Academy of Sciences,  
Bratislava. Submitted April 22, 1964.

MOKRY, Josef, inz., C.Sc.; KOMPIS, Ivan, inz.; SUCHY, Jan, inz.;  
SEFCOVIC, Pavel, dr., inz., C.Sc.; VOTICKY, Zdeno, dr., inz.,  
C.Sc.

Contribution to the study of vincamine constitution. Chem  
zvesti 16 no.1/2:140-150 Ja-F '62.

1. Ceskoslovenska akademie ved, Oddelenie chemie alkaloidov  
Chemickeho ustavu Slovenskej akademie vied, Bratislava.  
Authors' address: Bratislava, Mlynske nivy 37, Chemicky ustav  
Slovenskej akademie vied.

VOTICKY, Z.

CZECHOSLOVAKIA / Organic Chemistry. Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23412

Author : Dubrakova, L.; Jezo, I.; Sefcovic, P.; Voticky, Z.

Inst : Not given

Title : Abnormal Course of Reaction of Bischler-Napieralsky.

Orig Pub: Chem zvesti, 1957, 11, No 9, 536-541.

Abstract: In the study of the method of synthesis of the isoquinoline analogue of podophyllotoxin, 1-(3,4,5-trimethoxyphenyl)-3-carbethoxy-6,7-methylenedioxy-3,4-dihydroisoquinoline (I) was obtained, and it was found on that occasion that no cyclohydration of the ethyl ester of  $\alpha$ -(3,4,5-trimethoxy-benzamido)- $\beta$ -(3,4-methylenedioxyphenyl)-propionic acid (II) is caused by the action of  $P_2O_5$ ; 4-piperonylidene-2-(3,4,5-trimethoxyphenyl)-oxazolone (III) is obtained with  $PCl_5$ , and I is only partially produced

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G-15

CZECHOSLOVAKIA / Organic Chemistry. Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23412

Abstract: with  $\text{POCl}_3$ , but 5-ethoxy-4-piperonyl-2,3,4,5-trimethoxyphenyl)-oxazole (IV) is formed as the main product. Solution of 200 g of III in 300 g of 10% NaOH with water added to bring up the total volume to 1.6 liter is boiled for 6 hours, cooled, and, after the acidification of the solution,  $\alpha$ -3,4,5-trimethoxybenzamido- $\beta$ -(3,4-methylenedioxyphenyl)-acrylic acid (V) precipitates, yield 91%, melt. p. 228-229° (from alc.). 1.5 kg of 4% Na amalgam is added to the solution of 133 g of V in 1.5 liter of water with 30 g of NaOH maintaining the basic reaction, the mixture is filtered and acidified, and  $\alpha$ -3,4,5-trimethoxybenzamido- $\beta$ -(3,4-methylenedioxyphenyl)-propionic acid (VI) precipitates; yield 85%, melt. p. 193-194° (from alc.). 45 g of VI, 500 ml of abs. alcohol and 10

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CZECHOSLOVAKIA / Organic Chemistry. Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23412

Abstract: ml of conc.  $H_2SO_4$  are mixed, 12 hours later the mixture is heated (about  $100^\circ$ , 3 hours), and II is separated using water, yield 82%, melt. p.  $140-141^\circ$  (from alc.). 33 g of II is boiled in 300 ml of toluene with 65 ml of  $POCl_3$  for 5 hours; the excess  $POCl_3$  and toluene are distilled off in vacuo; the remainder is treated with 250 ml of water, filtered, the solution is alkalized with 10%  $Na_2CO_3$ , and I is extracted with ether from the precipitate, yield 3.8%, melt. p.  $113-114^\circ$  (from alc.); picrate, melt. p.  $193-194^\circ$  (from alc.); the precipitate, filtered off from water, is washed with  $NaHCO_3$  and IV is obtained, yield 54%, melt. p.  $98-99^\circ$  (from dil. alc.). 15 g of  $PCl_5$  is poured into

Card 3/4

G-16

CZECHOSLOVAKIA / Organic Chemistry. Synthesis.

G-2

Abs Jour: Ref Zhur-Khimiya, No 7, 1959, 23412

Abstract: the solution of 6 g of II in 150 ml of  $\text{CHCl}_3$  (temperature below  $40^\circ$ ) and allowed to stand at  $20^\circ$  for 5 days,  $\text{POCl}_3$  and  $\text{CHCl}_3$  are distilled off in vacuo, the residue is treated with water, and III is obtained, yield 72%, melt. p.  $198-200^\circ$  (from  $\text{CH}_3\text{COOH}$ ). -- P. Sokov

Card 4/4

VOTICKY Z.

CZECHOSLOVAKIA/Organic Chemistry - Naturally Occuring Substances and Their Synthetic Analogs. G.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 28943

Author : Dubravkova, L., Jezo, I., Sefcovic, P., Voticky, Z.

Inst : -

Title : Synthesis of Some Alkaloid Derivatives, X.

Orig Pub : Chem Zvesti, 11, No 7, 394-397 (1957) (in Slovak with Summaries in German and Russian)

Abstract : The synthesis of allolupinane (I) from 6-methyl-3-( $\beta$ -hydroxyethyl)-pyridine (II) by the following reaction scheme is described: II  $\rightarrow$  6-methyl-2-vinylpyridine (III)  $\rightarrow$  6-methyl-2-( $\gamma$ ,  $\gamma$ -dicarbetoxypropyl)-pyridine (IV)  $\rightarrow$  6-methyl-2-( $\gamma$ -carbetoxypropyl)-pyridine (V)  $\rightarrow$  4-methyl-5-ketoquinolizidine (VI)  $\rightarrow$  I (two recrystallizations). Preparation: 100 gms II poured into 300 gms KOH (180-190 $^{\circ}$ , vacuum) gives III, yield 66.8%, bp 66-68 $^{\circ}$ /10 mm; the picrate of III has an mp of

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CZECHOSLOVAKIA/Organic Chemistry - Naturally Occuring  
Substances and Their Synthetic Analogs.

G.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 28943

128-129° (from  $\text{CH}_3\text{OH}$ ). 62.3 gms III in 50 ml abs alcohol are refluxed (24 hrs) with the alcoholate, prepared from 12.4 gms Na and 24 ml abs alcohol, and 112 gms of ethyl malonic ester; saponification with 150 ml conc HCl and esterification (100 ml abs alcohol + 10 ml conc  $\text{H}_2\text{SO}_4$ ) gives V, yield 40%, bp 100-102°/0.15 mm, IV.1/2  $\text{H}_2\text{PtCl}_6$  [sic], mp 165-166° (from alc). 31.05 gms V in 300 ml abs alcohol on hydrogenation over 10 gms Rancy Ni (150 atm, 170°) give VI, yield 92%, bp 86-88°/0.20 mm. Reaction of 16.72 gms VI in 250 ml abs ether with 11.38 gms  $\text{LiAlH}_4$  in 300 ml abs ether gives I, yield 74%, bp 77-78°/10 mm; the picrates of I melt at 186-187° (alc) and 195° (alc).

For Communication IX see RZhKhim, 1957, 41263.

Card 2/2



273510

45196  
Z/043/63/000/001/003/004  
D287/D307

AUTHORS: Mokřý, J., Kompiš, I., Suchý, J., Šefčovič, P. and Votický, Z.

TITLE: Alkaloids from Vinca minor L. V. The structure of vincamine

PERIODICAL: Chemické Zvesti, v. 17, no. 1, 1963, 41-53

TEXT: E. Schlitter and A. Furlenmeier separated vincamine, the main constituent of Vinca minor L. for the first time. The authors modified the method described by S. Scheindlin and N. Rubin for separating the crude alkaloid from the plant and obtained a new alkaloid, vincarein, from the crystalline fraction of the crude alkaloid solution (vincarein:  $C_{21}H_{24}N_2O_4$ ). This compound has the same physical and chemical properties as vincamine and the authors suggest that the two compounds are identical. The separation of vincamine ( $C_{21}H_{26}N_2O_3$ ) was described in an earlier publication (Chem. Zvesti, v. 16, 1962, 140); vincaminol  $C_{20}H_{26}N_2O_2$  was obtained by Card 1/3

Alkaloids from Vinca ...

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reduction of vincamine with  $\text{LiAlH}_4$ . Dehydrogenation with Se gave vincyrine and isovincyrine ( $\text{C}_{19}\text{H}_{22}\text{N}_2$ ). The structure of vincamine was proved by oxidation of vincaminol: vincamone and formaldehyde were obtained and it was therefore obvious that the compound was a 1,2-diol and that the  $-\text{OH}$  and  $-\text{COOCH}_3$  groups in vincamine are on the same C-atom ( $\text{C}_{14}$ ). The formula of vincamone, the uv and ir spectra and the m.p. of the compound are identical with those of eburnamonine. Apovincamine (obtained by dehydration of vincamine) can be subjected to catalytic hydrogenation and esterification and yields desoxyvincamine  $\text{C}_{21}\text{H}_{26}\text{N}_2\text{O}_2$  which has an equatorial carbomethoxy group; the same position of the carbomethoxy group and configuration are assumed to exist in vincamine. There are 2 figures.

ASSOCIATION: ČSAV, Chemický ústav Slovenskej akadémie vied, Oddelenie chémie alkaloidov, Bratislava (Czechoslovak AS, Institute of Chemistry of the Slovak Academy of

Card 2/3

Alkaloids from Vinca ...

Z/043/63/000/001/003/004  
D287/D307

Sciences, Department of Alkaloid Chemistry, Bratis-  
lava)

SUBMITTED: June 6, 1962

Card 3/3

VOTICKY, Z.

CZECHOSLOVAKIA / Organic Chemistry. Natural Substances G  
and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61103.

Author : L. Dubraková, I. Jězo, P. Sevcovic, Z. Voticky.

Inst : -

Title : Synthesis of Some Derivatives of Alkaloids, XI.

Orig Pub: Chem. zvesti, 1957, 11, No 11, 656-659.

Abstract: The synthesis of 5-methylallolupinane (I) of 6-methyl-2-vinylpyridiene (II) is described. 1-[6'-methylpyridyl-(2')]-3-carbethoxypentanone-4 (III) is prepared by the condensation of 1 mole of II with 0.2 mole of  $\text{CH}_3\text{COCH}_2\text{COOC}_2\text{H}_5$  (passing HCl through 4 to 6 hours, 5 hours of boiling), yield

Card 1/3

CZECHOSLOVAKIA / Organic Chemistry. Natural Substances G  
and Their Synthetic Analogues.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61103.

Abstract: by the hydrogenation of 0.06 mole of IV in 120 ml of absolute alcohol (4 g of Raney's catalyst, 150 atm, 200 to 220°) with the evaporation of the acidified filtrate until dry and extraction of the alkaline residue with ether, yield 61%, boiling point 53 to 55°/8 mm; semichloroplatinate - dissociation point 185 to 186°, picrate - melting point 156 to 158°. See report X in RZhKhim, 1958, 28943.

Card 3/3

CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic Chemistry.

G-2

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 14415.

205-206; with R = (C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>N: C<sub>6</sub>H<sub>5</sub>, 113-115/0.2 mm, 102-103,  
149-150; Ar<sup>1</sup>, 133-134/0.15 mm, 98-99, 118-119; Ar<sup>2</sup>, 142-  
144/0.15 mm, 126-127, Ar<sup>3</sup>, 161-163/0.2 mm, 158-159, 182-  
183; Ar<sup>4</sup>, 163-165/0.2 mm, 159-160, 185-186; with R = N-  
piperidyl: C<sub>6</sub>H<sub>5</sub>, 109-110/0.1 mm, 139-140, 128-129; Ar<sup>1</sup>,  
156-157/0.2 mm, 147-148, 133-134; Ar<sup>2</sup>, 164-166/0.2 mm,  
169-170, 191-192; Ar<sup>3</sup>, 172-174/0.2 mm, 224-225, 195-196;  
Ar<sup>4</sup>, 176-178/0.2 mm, 179-180, 199-200; with R = N-morpholyl:  
C<sub>6</sub>H<sub>5</sub>, 123-124/0.1 mm, 202-203, 140-141; Ar<sup>1</sup>, 160-161/0.15 mm,  
171-172, 150-151; Ar<sup>2</sup>, 178-180/0.15 mm, 185-186, 193-195;  
Ar<sup>3</sup>, 191-193/0.25 mm, 227-228, 195-196; Ar<sup>4</sup>, 203-205/0.2 mm,  
209-210, 208-209.

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Preparation of alkyl- and arylureas. 1. Ježo, K. Dabor, and Z. Votický Věsk. ústav pro farm. a biochem., Bratislava, Czech.). Chem. Zvesti 6, 273-6 (1952).— By reaction of alkyl- or arylamines with melted urea or monoalkyl- or monoarylureas are formed the corresponding sym. and asym., di- or trialkyl- or arylalkylureas. Jan Mická

CZECHOSLOVAKIA

VOTICKY, Z.; TOMKO, J.; DOLEJS, L.; HANUS, V.

1. Chemical Institute, Slovak Academy of Sciences, Department of Alkaloids, Bratislava - (for Voticky and Tomko); 2. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague, (for Dolejs); 3. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague (for Hanus).

Prague, Collection of Czechoslovak Chemical Communications, pp 3705-3710.

"Alkaloids from Buxus sempervirens L. Part 4: The structure of buxtauine."

(4)

VOTICKÝ, Z.

36

Some derivatives of triazolopyrimidine, I. Jeto and  
 Z. Votický (Výskum. ústav pre farm. a biochem., Bratis-  
 lava, Czech.). *Chem. Zvesti* 6, 357-60 (1952).—The follow-  
 ing 4-methyl- (I) and 4,6-dimethyl-5,7-dioxo-4,5,6,7-tetra-  
 hydro-*s*-triazolopyrimidine (II) 2-(*p*-substituted-phenyl)-  
 derivs. were prepd. from 3-methyl- and 1,3-dimethyl-4-  
 aminouracil, resp., and the corresponding diazonium compds.  
 (parent compd., substituent, and m.p. given): I, *OEt*, 307-  
 7.5°; II, *OMe*, 197.5-8.0°; I, *CO<sub>2</sub>H*, 296° (decompn.); II  
*CO<sub>2</sub>H*, 265° (decompn.); I, *H*, 206-96.5°; II, *H*, 208.5-  
 9.0°; I, *SO<sub>2</sub>H*, above 350°; II, *SO<sub>2</sub>H*, above 350°.

Jan Micka

MOKRY, Jozef, inz., C.Sc.; KOMPIS, Ivan, inz., C.Sc.; SUCHY, Jan, inz.,  
C.Sc.; SEFCOVIC, Pavel, dr., inz., C.Sc.; VOTICKY, Zdeno, dr.,  
inz., C.Sc.

Alkaloids from the Vinca minor L. Part 5: Constitution of vincamina.  
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(SEX BEHAVIOR) (PREGNANCY) (LABOR)

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VOTIK, Ota (gyn. por. odd. Usti n. L., Pasteurova 9.)

Brief analysis of the incidence of premature labors in the Regional  
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23[37] no.4:280-284 June 58.

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premature, causes (Cz))

YOHOUTEK, Miroslav; ANDRYS, Josef; VOTIK, Ota

Untoward results of artificial interruption of pregnancy. Cesk.gyn.  
25[39] no.9:691-694 H '60.

1. Gyn.por.klin. v Hradci Kralove, prednosta prof. MUDr. J.Pazourek,  
Dr. Sc.

(PREGNANCY THERAPEUTIC compl)

FIXA, B.; KOMARKOVA, O.; technicka spoluprace: VOTIKOVA, J.

Examination of acid and basic gastric secretion in clinical practice.  
Cesk. gastrocent. vyz. 15 no.7:490-497 N '61.

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(GASTRIC JUICE)

VOTIN

HUNGARY/Pharmacology, Toxicology. Diuretics

U-7

Abs Jour : Ref Zhur - Biol., No 4, 1958, No 17744

Author : Kosh, Votin, Daniel.

Inst : Not Given

Title : The Treatment of Thrombophlebitis with Butazolidin

Orig Pub : Orv. hetilap, 1955, 96, No 42, 1170-1172

Abstract : Butazolidin was used in the treatment of 30 patients afflicted with thrombophlebitis of various degrees of severity and etiology (post-operative, varicose and septic). The majority of the patients showed improvement in 6 days. One patient suffered a relapse 5 days after the end of the treatment. There were no side effects.

Card : 1/1



KOS, Rudolf, dr.; VOTIN, Jozsef, dr,

Clinical problems of staphylococcal hospitalism. Orv. hetil.  
101 no. 25:881-886 19 Je '60.

1. Budapesti Orvostudományi Egyetem, II. sz. Sebészeti Klinika.  
(STAPHYLOCOCCAL INFECTIONS epidemiol.)  
(HOSPITALS)

VOTIN, Jozsef, Dr.; KOS, Rudolf, Dr.

Correlation between penicillin sensitivity and abscesses caused by injections. Borgyogy. vener. szemle 12 no. 4-5:184-186 Aug-Oct 53.

1. A Budapesti Orvostudományi Egyetem II. számú Sebészeti Klinikájának közleménye (Igazgató: Klimko Desso dr. Egyetemi tanár).

(PENICILLIN, inj. eff.

abscesses caused by penicillin inject., correlation with allergy to penicillin (Hun))

(ALLERGY

to penicillin, correlation with incidence of abscesses caused by penicillin inject. (Hun))

KOS, Rudolf, Dr.; VOTIN, Jozsef, Dr.

Therapy of painful conditions of the locomotor organs by prednisolone injections. Orv. hetil. 99 no.35:1223-1225 31 Aug 58.

1. A Budapesti Orvostudományi Egyetem II. sz. Sebészeti Klinikájának (igazgató: Kliniko Dezső dr. egyet. tanár) közleménye.

(JOINTS, dis.

ther., prednisolone, local admin. (Hun))

(PREDNISOLONE, ther. use

joint dis., local admin. (Hun))

VOTIN, Jozsef, Dr.; KOS, Rudolf, Dr.

Dangers of infection after local cortisone therapy. Orv. hetil. 99 no.12:  
409-411 28 Mar 58.

1. A Budapesti Orvostudományi Egyetem 11. sz. Sebészeti Klinikájának  
(igazgató: Klinika Dézso dr. egyet. tanár) közleménye.  
(PREDNISOLONE, inj. eff.  
infect. after local admin. (Hun))